Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

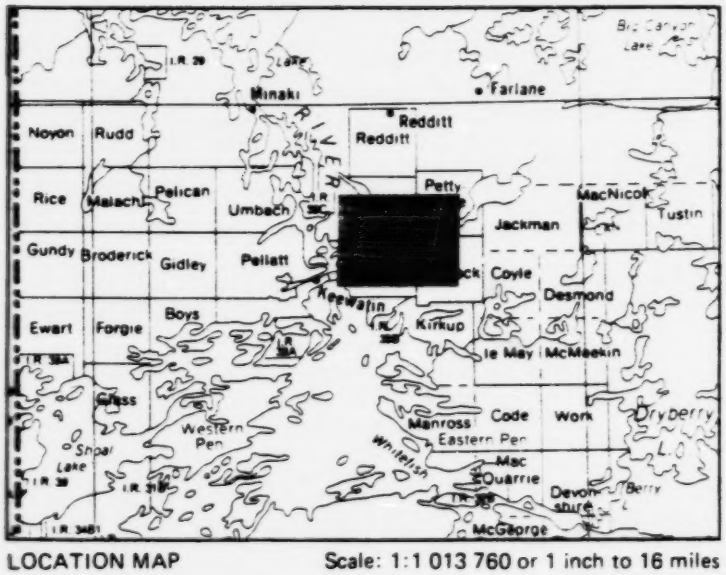
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 395

JAFFRAY–HAYCOCK AREA

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

87-06503

lumber 52E/16 SW

Mining Claim Map Number Jaffray Township M-1992 Mellick Township M-2012
Haycock Township M-1987 Pettypiece Township M-2022

This project was funded under the Canada Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Jaffray - Haycock Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio#395; compiled by the staff of the Resident Geologist's Office, Kenora, 35 pages and 2 maps.

Original Compilation by: S. E. Reid

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Jaffray-Haycock Area

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ACCOMPANYING MAPS

Property Location Map 1
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	SR MAR/87
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	SR MAR/87
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	SR MAR/87
6	ODM Industrial Mineral Reports	NO	SR MAR/87
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	SR MAR/87
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	SR MAR/87
9	Newspaper Clippings File	YES	SR MAR/87
10	GSC Index to Publications		
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	SR MAR/87
12	OGS Index Maps	YES	SR MAR/87
13	Source Mineral Deposit Records (O.G.S.) and MDIR'S	YES	SR MAR/87
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	SR MAR/87
16	ODM Geological Circulars: OGS Study Series	NO	SR MAR/87
17	ODM Preliminary Reports: ODM Bulletins	YES	SR MAR/87
18	ODM – OGS Open File Reports	YES	SR MAR/87
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	SR MAR/87
20	OGS Aggregate Resources Inventory Papers	YES	SR MAR/87
21	OGS Mineral Potential Maps	YES	SR MAR/87
22	Theses on File, Kenora	YES	SR MAR/87
23	Aerial Photos on File, Kenora	YES	SR MAR/87
24	OBM Maps on File, Kenora	YES	SR MAR/87

METALS AND MINERALS REFERENCES LIST

- △ anh . . . . . Anhydrite
- △ ank . . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- ▲ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- ▲ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- △ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- ▲ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- ▲ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- ▲ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra . . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr . . . . . Zircon
- ▲ s. . . . . sulfide mineral(s)

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Abe Lincoln Occurrence	Au		MRC 13, p. 149-150 MDC 16, p. 9	O.B.M. Vol. 9, p. 37 Davies, J.C., Smith, P.M., Blackburn, C.E.[1]
B.	Benson Occurrence	Au			Assessment Files, Kenora 52E/16 SW BB-7 Davies, J.C., Smith, P.M., Blackburn, C.E.[1]
C.	Black Hawk Occurrence	Au			Davies, J.C., Smith, P.M., Blackburn, C.E.[1]
D.	Black Sturgeon Prospect	Au	MDIR K0025 SMDR 001334 NMI Au 4	MRC 13, p. 149-150 MDC 16, p. 9	O.B.M. AR Vol. 7, p. 57 O.B.M. AR Vol. 9, p. 37
E.	Bullion Occurrence	Au	SMDR 001328	MDC 16, p. 10	O.B.M. AR Vol. 9, p. 36 O.B.M. AR Vol. 20, pt. 1, p. 165
F.	Caribou Occurrence[2]	Au	MDIR K0346 SMDR 001333 NMI Au 8	MRC 13, p. 238 MDC 16, p. 11	O.B.M. AR Vol. 2, p. 234 O.D.M. AR Vol. 7, pt. 2, p. 110
G.	Champion Mine (Bad Mine, Franklin Mine)	Au, Ag	MDIR K0032 SMDR 001332 NMI Au 1	MRC 13, p. 150 MDC 16, p. 12	O.B.M. AR Vol. 8, p. 38 O.D.M. AR Vol. 45, pt. 3, p. 39 O.D.M. AR Vol. 46, pt. 1, p. 134 Assessment Files, Kenora 52E/16 SW D-3
H.	Dignam Occurrence	Au			Assessment Files, Kenora 52E/16 SW; T-1

[1] 1985: Field Trip Guidebook, 31st Annual Institute on Lake Superior Geology, p. 21

[2] See Notes and Addenda: Note A

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I.	El Diver Occurrence (el Divere)	Au,py,po,cp	MDIR K0042 SMDR 001331 NMI Au 7	MRC 13, p. 238 MDC 16, p. 15	O.B.M. AR Vol. 3, p. 29
J.	Electro-Gold Occurrence	Au			O.G.S. Map P. 2618 Davies, J.C., Smith, P.M., Blackburn, C.E.[1]
K.	Elsie Occurrence	Au			O.B.M. Vol. 7, p. 110
L.	Emmons Occurrence	Au			Assessment Files, Kenora 52E/16 SW, X-7
M.	Eschwieler Occurrence (Hilly Lake North)	Au, Ag	SMDR 001343	MDC 16, p. 16	O.G.S. Map P. 2618
N.	Gordon Southwest Occurrence	Au			Assessment Files, Kenora 52E/16 SW, X-7
O.	Gordon Northeast Occurrence	Au			Assessment Files, Kenora 52E/16 SW, X-7
P.	Gray Eagle Occurrence	Au			O.B.M. Vol. 7, pt. 1, p. 30
Q.	Hilly Lake Occurrence	Au	MDIR K0063 SMDR 001343	MDC 16, p. 21	O.G.S. Map P. 1030 O.D.M. Vol. 34, pt. 6, p. 22 O.D.M. Vol. 49, pt. 1, p. 119
R.	Kobold Occurrence	Au			O.B.M. AR Vol. 5, p. 185
S.	Horne - Thrasher Occurrence (Thrasher - Horne)	Au		MDC 16, p. 40	Resident Geologist Report, Kenora, 1945

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T.	Mandarin Occurrence	Au			Davies, J.C., Smith, P.M., Blackburn, C.E.[1]
U.	Norway Occurrence	Au	NMI Au 5		O.B.M. AR Vol. 3, p. 31
V.	Princess Occurrence	Au	SMDR 001330 MDIR K0320 NMI Au 3	MRC 13, p. 238 MDC 16, p. 24	O.B.M. AR Vol. 7, p. 58 O.B.M. AR Vol. 30, pt. 2, p. 60
W.	Rajah Occurrence	Au, Ag	SMDR 001341	MRC 13, p. 238 MDC 16, p. 34	O.B.M. Vol. 3, p. 28 O.D.M. Map 2115
X.	Roseman Occurrence	Au	SMDR 001340 MDIR K0088 NMI Au 12	MRC 13, p. 238 MDC 16, p. 35	O.D.M. Map 2115
Y.	Royal Occurrence	Au	SMDR 001339 MDIR K0345 NMI Au 2	MRC 13, p. 238 MDC 16, p. 35	O.B.M. Vol. 7, pt. 2, p. 110
Z.	Scramble Mine	Au, Ag, cp	SMDR 001338 MDIR K0091 NMI Au 10	MRC 13, p. 238 MDC 16, p. 36	O.B.M. AR Vol. 5, p. 186 O.B.M. AR Vol. 7, p. 58 O.B.M. AR Vol. 24 O.D.M. AR Vol. 34, pt. 6, p. 21
AA.	Sweden Gold Occurrence	Au			O.B.M. AR Vol. 6, p. 48 O.G.S. Map P. 2618
BB.	Wimor Occurrence	Au			O.G.S. Map P. 2618 O.B.M. Vol. 9, p. 37

[1]1985: Field Trip Guidebook, 31st Annual Institute on Lake Superior Geology, p. 21

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
CC.	Unnamed	s			O.G.S. Map P. 2618
DD.	Unnamed	po, cp			O.G.S. Map P. 2618
EE.	Contact Lake Occurrence	po, py			Assessment Files, Kenora 52E/16 SW, M-2
FF.	Roseman Vein System Occurrence	Au			Assessment Files, Kenora 52E/16 SW, EE-1
GG.	Powerline Pit Occurrence	py			Assessment Files, Kenora 52E/16 SW, X-7

Jaffray-Haycock Area

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1.	Asarco Exploration Co. 52E/16 SW; GG-1			86	86	86														
2.	Rosenblat, R. S. 52E/16 SW; R-1											75	75							
3.	Boise Cascade Canada Ltd. 52E/16 SW; BB-1	84																		
4.	Boise Cascade Canada Ltd. 52E/16 SW; BB-2											85	85							
5.	Boise Cascade Canada Ltd. 52E/16 SW; BB-3	85																		
6.	Boise Cascade Canada Ltd. 52E/16 SW; BB-5														85					
7.	Boise Cascade Canada Ltd. 52E/16 SW; BB-4				85	85									84					
8.	Boise Cascade Canada Ltd. 52E/16 SW; BB-6	85																		
9.	Bond, James 52E/16 SW; Z-1	84																		

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
10.	Bond, James 52E/16 SW; Z-2	84																		
11.	Boise Cascade Canada Ltd. 52E/16 SW; BB-7	85	84	84	85	84 85						85	85		84					
12.	Caribou Mine 52E/16 SW; RR-1							35												
13.	Champion Mine (Bad Mine) 52E/16 SW; D-1							46												
14.	Champion Mine 52E/16 SW; D-2							24												
15.	Champion Mine 52E/16 SW; D-3							?												
16.	Champion Mine 52E/16 SW; D-4	31 80				31		28												
17.	Karwacki, Pat; Clark, Greg 52E/16 SW; X-1			83																
18.	Karwacki, Pat; Clark, Greg 52E/16 SW; X-2												83							

GDIF FORM NO. 7

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
19.	Karwacki, Pat; Clark, Greg 52E/16 SW; X - 3		83			83														
20.	Clark, H. G., Karwacki, J. Sr 52E/16 SW; X - 4											84								
21.	Clark, H. G., Karwacki, J. Sr 52E/16 SW; X - 5											84								
22.	Clark, H. G., Karwacki, J. Sr 52E/16 SW; X - 6				84															
23.	Clark, H. G., Karwacki, J. 52E/16 SW; X - 7	85																		
24.	Clark, H. G., (J. Doty, J. Karwacki) 52E/16 SW; X - 8												85							
25.	Clark, H. G. 52E/16 SW; X - 9			85																
26.	Karwacki, John 52E/16 SW; X - 10			86																
27.	Dignam Mine 52E/16 SW; T - 1							19?												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
28.	El Diver Mine 52E/16 SW; S-1							35												
29.	Fortier Property[1] 52E/16 SW; E-1				56															
30.	Hawmandale Syndicate (Roseman and Silverman veins) 52E/09 NW; EE-1			50	46	50 46		46												
31.	Hilly Lake Minerals Claims 52E/16 SW; F-1			30's																
32.	Horne - Thrasher Property[2] (Sylvanite Gold Mines Ltd.) 52E/16 SW; G-1				40	40														
33.	Issigonis, Michael 52E/16 SW; Y-1			84																
34.	Issigonis, Michael 52E/16 SW; Y-2			84																
35.	Kennco Explorations (Canada) Ltd. (52E/16 SW; DD-1											85	85							

[1] Drilling is located south of map boundary

[2] For drill logs and location of drill holes, refer to Thrasher, J. (52E/16 SW; L-1)

FORM NO. 7

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
36.	Kennco Exploration (Canada) Ltd. 52E/16 SW; DD-2	85				85														
37.	Nault, Pierre 52E/16 SW; FF-1				86															
38.	Novasade, J. 52E/16 SW; I-1			39																
39.	553215 Ontario Ltd. 52E/16 SW; CC-1			85																
40.	553215 Ontario Ltd. 52E/16 SW; CC-2					84														
41.	Roseman - Lantz Property 52E/16 SW; J-1				46	45														
42.	Schienbein, Randy 52E/16 SW; AA-1											84								
43.	Sherritt Gordon Mines Ltd. 52E/16 SW; V-1											81	81							
44.	Sherritt Gordon Mines Ltd. 52E/16 SW; V-3											80								

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kenora COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
45.	Silverman Property[3] 52E/09 NW; DD-1			43				43												
46.	Terrell, Michael A. 52E/16 SW; U-1	80				80														
47.	Treasure Mine 52E/16 SW; Z-1							00												
48.	Treasure Mine 52E/09 NW; Z-2	49						35												
49.	Thrasher, J. 52E/16 SW; L-1				40	40		45												
50.	Willow Lake Mines 52E/16 SW; N-1							75												
51.	Zebruck, George 52E/16 SW; EE-1	85				85														
52.	Zroback, N. 52E/16 SW; M-2			84																
53.	Zroback, N. 52E/16 SW; M-1				60															

[3]Assessment work occurs south of map boundary.

GDIF FORM NO. 7

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1.	Boise Cascade Canada Ltd.[1]	S-1	1985						
2.	Boise Cascade Canada Ltd.[1]	S-2	1985						
3.	Boise Cascade Canada Ltd.[1]	S-3	1985						
4.	Boise Cascade Canada Ltd.[1]	S-4	1985						
5.	Boise Cascade Canada Ltd.[1]	S-8	1985						
5.	Boise Cascade Canada Ltd.[1]	S-9	1985						
5.	Boise Cascade Canada Ltd.[1]	S-10	1985						
6.	?[1]	DDH-1							
7.	?[1]	DDH-3							
8.	?[1]	DDH-5							
9.	Boise Cascade Canada Ltd.	S-5	Sept./85	135°	-45°	20.7m	148m	po, py, mag	Au
10.	Boise Cascade Canada Ltd.	S-6	Sept./85	135°	-45°	6.3m	63.1m	po, py, mag	Au
11.	Boise Cascade Canada Ltd.	S-7	Sept./85	135°	-45°	3.3m	63.1m	po, py, mag	Au
12.	Boise Cascade Canada Ltd.	S-11	Nov./85	135°	-45°	0m	200.3m	po, py, mag	Au
13.	Boise Cascade Canada Ltd.	S-12	Nov./85	135°	-45°	1.5m	62.8m	po, py, mag	Au
14.	Clark, G.	LKS-84-01	Dec./84	N35°W	-45°	21.3m	93.0m	mag	

[1]No logs available.

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
15.	Nault, Pierre	H-1	Aug./86	?	-90°	0 ft.	50 ft.		
15.	Nault, Pierre	H-5	Aug./86	?	-90°	0 ft.	50 ft.		
15.	Nault, Pierre	H-3	Aug./86	?	-90°	0 ft.	50 ft.		
16.	Nault, Pierre	H-2	Aug./86	?	-90°	0 ft.	50 ft.		
17.	Nault, Pierre	H-4	Aug./86	?	-90°	0 ft.	50 ft.		
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-4	Oct./40	WNW	-45°	5 ft.	152 ft.	py	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-5	Oct./40	WNW	-45°	6 ft.	150 ft.	py, cp	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-2	Oct./40	WNW	-45°	4 ft.	210 ft.	py, po	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-1	Oct./40	WNW	-30°	2 ft.	14 ft.	py, po	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-3	Oct./40	WNW	-45°	3 ft.	152 ft.	py, cp	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-6	Oct./40	WNW	-45°	9 ft.	147 ft.	py	Au
18.	Thrasher, J. (Pioneer Gold Mining Co.)	DDH-7	Nov./40	WNW	-45°	14 ft.	150 ft.	py, cp	Au
19.	Zroback, Nick	H-1	Apr./60	N50°W	-54°	10 ft.	118 ft.	py, cp, po	
20.	Zroback, Nick	H-2	Apr./60	S15°E	-45°	8 ft.	35 ft.		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
21.	Zroback, Nick	H-3	Apr./60	S15°E	-45°	0 ft.	35 ft.	po, cp	
21.	Zroback, Nick	H-4	Apr./60	S10°E	-45°	12 ft.	48 ft.	py, cp, bn	
22.	Zroback, Nick	H-5	Apr./60	S15°E	-45°	0 ft.	138 ft.	py, bn	
22.	Zroback, Nick	H-6	Apr./60	S15°E	-45°	0 ft.	128 ft.	s	
23.	Zroback, Nick	H-7	Apr./60	S35°E	-60°	0 ft.	106 ft.	py	
24.	Unknown[2]	DDH-3							
25.	Asarco Exploration Co.	HL-1	Nov./86	160°	-45°	4.0 ft.	154 ft.	py	Au
25.	Asarco Exploration Co.	HL-2	Nov./86	160°	-47°	5.0 ft.	150 ft.	py	Au
26.	Asarco Exploration Co.	HL-3	Nov./86	160°	-48°	7.0 ft.	597 ft.	py	Au
26.	Asarco Exploration Co.	HL-15	Nov./86	340°	-46°	7.0 ft.	377 ft.	py	Au
26.	Asarco Exploration Co.	HL-4	Nov./86	160°	-48°	5.0 ft.	150 ft.	py	Au
26.	Asarco Exploration Co.	HL-5	Nov./86	160°	-46°	12.0 ft.	150 ft.		Au
26.	Asarco Exploration Co.	HL-6	Nov./86	160°	-42°	9.0 ft.	150 ft.	py	Au
26.	Asarco Exploration Co.	HL-7	Nov./86	160°	-46°	18.0 ft.	150 ft.	py	Au
26.	Asarco Exploration Co.	HL-8	Nov./86	160°	-46°	15.0 ft.	150 ft.	py	Au
27.	Asarco Exploration Co.	HL-9	Nov./86	160°	-46°	5.0 ft.	170 ft.	py	Au
27.	Asarco Exploration Co.	HL-10	Nov./86	160°	-44°	5.0 ft.	150 ft.	py	Au

[2]No log available. Information from Assessment File 52E/16 SW; Z-2.

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
27.	Asarco Exploration Co.	HL-11	Nov./86	160°	-45°	6.0 ft.	150 ft.	py	Au
28.	Asarco Exploration Co.	HL-12	Nov./86	160°	-44°	28.0 ft.	150 ft.	py	Au
28.	Asarco Exploration Co.	HL-13	Nov./86	160°	-45°	8.0 ft.	150 ft.	py	Au
28.	Asarco Exploration Co.	HL-14	Nov./86	160°	-46°	7.0 ft.	150 ft.	py	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DHH-2	Nov./46	NNW	-12°	?	?	?	Au
29,	Hawmandale Syndicate[3] (Roseman Vein)	DDH-3	Nov./46	NNW	-36°	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-4	Nov./46	NW	?	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-5	Nov./46	NW	?	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-6	Nov./46	SE	?	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-11	Nov./46	NNW	-60°	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-12	Nov./46	NNW	-35°	?	?	?	Au
29.	Hawmandale Syndicate[3] (Roseman Vein)	DDH-13	Nov./46	NNW	-35°	?	?	?	Au

[3]No log available. Information from Assessment File 52E/16 SW; EE-1

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No surveys on file as of March 26, 1987.				

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
11.	Rock Geochemistry	Whole Rock: SiO_2, TiO_2, Al_2O_3, Fe_2O_3, MnO, MgO, CaO, Na_2O, K_2O, P_2O_5 Immobile Elements: Nb, Zr, Rb, Sr, Y Trace Elements: Au, Ag, Cu, Pb, Zn, Hg, As, Cd, Ni, Co, W, Sn, Ba	Boise Cascade Canada Ltd.	Assessment Files, Kenora 52E/16 SW; BB - 7
19.	Rock Geochemistry	Au	Karwacki, Pat, Clark, Greg	Assessment Files, Kenora 52E/16 SW; X - 3

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
1.[1]	Rb-Sr (whole rock)	Tonalite	O.G.S. Map P.2843 O.G.S. OFR 5592	2630± 50 Ma
2.[1]	Rb-Sr (whole rock)	Grandiorite	O.G.S. Map P.2843 O.G.S. OFR 5592	2735± 65 Ma
3.[1]	Rb-Sr (whole rock)	Grandiorite	O.G.S. Map P.2843 O.G.S. OFR 5592	2630± 10 Ma

[1]Sample locations shown on Data Map are approximate

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

in Kenora

Black Sturgeon Mine

Boise Cascade Canada Ltd.

Bullion Mining Company

Caribou Mine

Champion Mine

El Diver Mine

Electro Gold Mine

Princess Gold Mining Company

Gordon Vein

Kobold Gold Mining Company

Norway Mine

Rajah Mine

Reduction Works

Scramble Mines

Sweden Gold Mines

Wimor Mine

GDIF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched: Abe Lincoln Occurrence, Bad Mine, Bear Lake, Benson Occurrence, Black Hawk Occurrence, Black Sturgeon Lake, Breakneck Lake, Bullion Mine, Caribou Mine, Champion Mine, Dignam Mine, El Diver Mine, Electro - Gold Mine, Emmons Occurrence, Franklin Mine, Fortier Property, Haycock Township, Hilly Lake, Gray Eagle Occurrence, Homestake Gold Mines, Horne - Thrasher Occurrence, Island Lake, Kobold Occurrence, Mandarin Occurrence, Norway Mine.

Index Volume	Listing:	Report Volume	Part	Page
I	Bad Mine, Haycock Township	4		58
	Benson, Andrew			
	Gold Mine of, Jaffray Township	6		48,108, 109
		7		57
	Black Sturgeon Gold Mine, Black Sturgeon Lake, Kenora			
	Accident	9		28-30
	Depth (1899)	9		35
	Huronian-Laurentian Contact	7		110
	Work at (1898)	7		57, 58
	(1899)	8		37, 38
	Black Sturgeon Lake, Haycock Township			
	Description	N.O.[1]		254,273
	Fish	N.O.[1]		254
	Gold Mining	N.O.[1]		284
	Iron Ore	3		29
	Rice, Wild	N.O.[1]		258
	Rocks	7		110
	Trees	N.O.[1]		272
	Bullion Gold Mine			
	Near Kenora	9		36
		10	1	165
	Caribou			
	Kenora District	N.O.[1]		256
	El Diver Gold Mine, near Rossland			
	Rocks	4		69
		7		110
	Work at	2		234,235
		3		29, 30
	Electro - Gold			
	Gold Mines, Jaffray Township	9		37
	Haycock Township Kenora			
	Gold Mining	7		57
	Hilly Lake, Lake of the Woods			
	Road to, built by Gov't.	7		34

[1] Report of the Survey and Exploration of Northern Ontario, 1900.

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: Princess Occurrence, Rajah Occurrence, Rossland, Royal Occurrence, Scramble Mine, Sweden Mine, Thrasher - Horne Occurrence, Wimor Occurrence.

Index Volume	Listing:	Report Volume	Part	Page
I	Island Lake, Kenora; and Thunder Bay			
	Falls, photo	19	1	175
	Quartz,veins near	19	1	180
	Swamps, near	19	1	178
	Timber, photo	19	1	176
	Kobold, G. A.	5		185
	Norway Gold Mine, near Rossland			
	Rocks	4		69
	Work at	3		31
		4		49
	Princess Gold Mines, Jaffray Township	7		58,110
	Work at (1898)			
	Rajah Gold Mining Company			
	Re-construction	5		182
	Work, Jaffray Township	2		235
		3		28
	Rossland, Jaffray Township			
	Fahlbands, near	6		118
	Gold Mining, near	2		234
		3		30,31
		4		69,227
	Moybdenite, near	3		14
	Royal Gold Mines, Jaffray Township			
	Notes by Coleman	7		110
	Scramble (Canadian Homestake) Gold Mine, Jaffray Township			
	Bought by Kenora Mining and Milling Co.	7		96
	Closed down	24	1	96
	Depth (1899)	9		35
	Fahlbands Bull.	1		7
	Idle (1899)	9		37
	Non-producing (1913)	13	1	10
	Power for	12	1	56,98
	Rocks, Couchiching	7		153
	Granite and trap	12	1	210
	Sandstone	7		110
		9		183,184
		9		136
	Shaft-house, photo	7	1	227

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
I	Scramble (Canadian Homestake) Gold Mine, cont'd			
	Work at (1895)	5		186
	(1896)	6		49,108
	(1897)	7		58,59, 109,110
	(1910)	20	1	175
	(1911)	21	1	100,186
	(1912)	22	1	227
	(1913)	23	1	10,110, 111
	(1914)	24	1	96
	Sweden Gold Mining Company			
	Work by (1896)	6		48
	Wimor Gold Mine, near Kenora			
	Notes	9		37
II	Black Sturgeon Gold Mine, Black Sturgeon Lake, Kenora			
	Development work	34	6	21
	Mill tests	30	2	60
	Champion Gold Mines Ltd.			
	Capital and date of charter	32	1	49
	Gold mining, Haycock Township	34	1	76
	El Diver Gold Mines, Jaffray Township	30	2	60
	Hilly Lake Gold Mines, Hilly Lake			
	Description	34	6	22
	Canadian Homestake Gold Mines, Jaffray Township			
	Description	30	2	58
	Hydro-electric power	30	2	12
	Producing	30	2	60
	Homestake Gold Mine, Yellowgirl Bay, Lake of the Woods			
	Veins, type of	30	2	11
	Rajah Gold Mine, Jaffray Township			
	Gold Producing	30	2	60
	Scramble Gold Mine, East of Kenora			
	Developemnt work	34	6	21

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
III	Bad (Champion) Gold Mine, South of Margach			
	Production	22	1	49
	Champion Gold Mine, Haycock Township			
	Dewatered	36	1	93
	Producing (1926)	36	1	6,7
	Production (1900)	49	1	22
	Franklin Gold Mine, Haycock Township			
	Geology and workings	45	3	39 - 43
	Sketch map	45	3	40
	Operations (1935)	45	1	108
	(1936)	46	1	134
	Hilly Lake Gold Mine, Jaffray Township			
	Lessee; operations (1939)	49	1	119
	Homestake Mining Company			
	Exploratory work, Hard Rock g.m.	44	3	4, 51
	Sweden			
	Gold production (1931 - 1935)	45	1	26
	(1935 - 1939)	49	1	27
IV	Black Sturgeon Gold Mines Ltd.			
	Incorporated	56	1	44
	Champion Gold Mine, Haycock Township			
	Production (1900 - 1925)	59	1	20
	El Diver Mines			
	Gold production (1940 - 1942)	58	1	21
	Hilly Lake Gold Mines, Jaffray Township			
	Owner and operations (1940)	50	1	72
V	Bad Gold Mine, Haycock Township			
	Production Statistics	64	1	22
	Champion Gold Mine, Haycock Township			
	Production Statistics	64	1	22
IX	Black Sturgeon Prospect			
	Haycock Township, Kenora District	MDC 16		11

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
IX	Bullion Occurrence Jaffray Township, Kenora District	MDC 16		10
	Caribou Occurrence Haycock Township, Kenora District	MDC 16		11
	Champion Mine Haycock Township, Kenora District	MDC 16 MP 64 MP 71		12 5 7,8
	El Diver Occurrence Haycock Township	MDC 16		15
	Escheweiler Occurrence Jaffray Township, Kenora District	MDC 16		21
	Hilly Lake Occurrence Jaffray Township, Kenora District	MDC 16		21
	Norway Occurrence Haycock Township, Kenora District	MDC 16		31
	Princess Occurrence Jaffray Township, Kenora District	MDC 16		33
	Rajah Occurrence Jaffray Township, Kenora District	MDC 16		34
	Roseman Occurrence Jaffray Township, Kenora District	MDC 16		35
	Roseman Vein Occurrence Jaffray and Haycock Townships, Kenora Districts	MP 54		5
	Royal Occurrence Jaffray Township, Kenora District	MDC 16		35
	Scramble Prospect Jaffray Township, Kenora District	MDC 16		36

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Blackburn, C. E.	1981	Kenora - Fort Frances, Kenora and Rainy River Districts. Geological Compilation Series.	OGS Map 2443	1" to 4 miles (1:253,440)
Davies, J. C., Pryslak, A. P.	1965	Lake of the Woods Sheet, District of Kenora and Rainy River. Geological Compilation Series.	ODM Preliminary Map P. 281	1" to 2 miles (1:126,720)
Easton, R. M.	1986	Geochronology Compilation Map for Ontario; West - Central Ontario, Compilation Series.	OGS Map P. 2843	1" to 16 miles (1:1,013,760)
Gordon, J. B.	1977	Gold Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane. Mineral Deposit Series.	OGS Map P. 1227	1" to 16 miles (1:1,013,760)
		GEOPHYSICAL MAPS		
Geo-Analysis (1981) Ltd.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada.	OF 82 - 12 (Image 3125 Map 1)	1:250,000
ODM - GSC	1961	Kenora, Kenora District Ontario, Sheet 52E/16. Aeromagnetic Series.	Geophysics Paper 1179 G	1" to 1 mile (1:63,360)
MDMNR - ODM - GSC	1977	Airborne Gamma - Ray Spectrometry Survey, Kenora, Ontario - Manitoba. Geophysical Series.	Preliminary Maps P. 1355 to P. 1389	1" to 4 miles (1:253,440)
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Hallett, D. R.	1980	Rat Portage Bay, District of Kenora and Rainy River, Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5055.	NOEGTS 37	1:100,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Environment Canada	1975	Kenora 52 - E, Soil Capability for Agriculture Lands Directorate.	52 - E	1:250,000
Geo - Analysis Ltd.	1980	Aggregate Inventory of the Kenora Area	OFR 5301	1" to 1/4 mile (1:15,840)
Zoltai, S. C.	1965	Surficial Geology, Kenora - Rainy River Ontario, Department of Lands and Forests.	Map S165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Springer, J. S., Robertson, J. A., Vos, M. A.	1981	Mineral Potential Map of Ontario, West Central Sheet. Accompanied by one overlay.	OFR 5326	1" to 16 miles
Springer, J. S.	1978	Ontario Mineral Potential, Kenora Sheet, District of Kenora and Rainy River. Mineral Deposits Series.	OGS Preliminary Map P. 1531	1:250,000
		THESES		
Gower, C. F.	1978	The Tectonic and Petrogenetic History of Archean Rocks from the Kenora Area, English River Subprovince Northwest Ontario; Ph.D. Thesis, McMaster University.		622 pages
Hodgkinson, John	1968	The Geology of the Kenora Airport Area. M.Sc. Thesis University of Manitoba.		69 pages
Longstaffe, F. J.	1977	The Oxygen Isotope and Elemental Geochemistry of Archean Rocks from Northern Ontario; Ph.D. Thesis, McMaster University.		563 pages

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGY REPORTS AND MAPS		
Beard, R. C., Garrett, G.L.	1976	Gold Deposits of Kenora - Fort Frances Area, District of Kenora and Rainy River. Accompanied by Chart A.	MDC 16	1" to 4 miles (1:253,440)
Breaks, F.W., Bond, W.D., McWilliams, G.H., Gower, C.F., Stone, D.	1975	Marginal Notes for Operation Kenora - Sydney Lake; Preliminary Maps, P.1026 to P.1031	ODM Maps P.1026 - 1031	18 pages
Breaks, F.W. et al	1975	Operation Kenora - Sydney Lake, Kenora - Minaki Sheet District of Kenora	ODM Preliminary Map P.1030	1" to 1 mile (1:63,360)
Bruce, E.L.	1913	Gold Deposits of Kenora and Rainy River Districts, Ontario. Accompanied by Map 34H.	OBM AR. Vol. 22	P. 210 - 232
Clark, H.G.	1985	Handbook for Prospectors and Developers in the Kenora Area.	OFR 5551	72 pages
Clark, H.G.	1982	Kenora Area, Mineral Potential sponsored by Tri-Municipal Economic Development Commission. Accompanied by Kenora Area Mineral Compilation Map.		1" to 2 miles (1:126,720)
Davies, J.C., Smith, P.M., Blackburn, C.E.	1985	Geologic Setting and Style of Gold Mineralization in the Lake of the Woods Area; in Field Trip Guidebook, Institute on Lake Superior Geology, Thirty-First Annual Meeting, Kenora, Ontario.	31st I.L.S.G., Field Trip Guidebook	p. 13-56
Davies, John C.	1966	Geology and Mineral Exploration in the Kenora - Fort Frances Area; ODM Paper presented at the 34th Annual Meeting of the Prospectors and Developers Association, Toronto		16 pages

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Ferguson, S.A., Groen, H.A., Haynes, R.	1973	Gold Deposits of Ontario Part 1, District of Algoma, Cochrane, Kenora, Rainy River, and Thunder Bay.	MRC 13	315 pages
Gower, C.F., Clifford, P.M.	1981	The Structural Geometry and Geological History of Archean Rocks at Kenora, Northwestern Ontario: A Proposed Type Area for the Kenora Orogeny; Canadian Journal of Earth Science.	CJES, Volume 8	p. 1075-1091
Gower, C.F.	1975	Geology and Tectonic Evolution of the English River Gneiss Belt in the Jaffray Melick Area near Kenora, Northwestern Ontario; Department of Geology, McMaster University.	Tech. Memo 75-8	54 pages
King, H.L.	1983	Precambrian Geology of the Kenora-Keewatin, Eastern Part, Kenora District.	OGS Preliminary Map P. 2618	1:15,840 (1" to 1/4 mile)
King, H.L.	1983	Precambrian Geology of the Kenora-Keewatin, Western Part, Kenora District.	OGS Preliminary Map P. 2617	1:15,840 (1" to 1/4 mile)
Parsons, A.L.	1913	The Lake of the Woods and other Areas, Kenora District, Ontario.	OBM AR Vol. 22 Pt. 1.	p. 210-232
Parsons, A.L.	1912	Gold Fields of Lake of the Woods, Manitou and Dryden, Kenora District, Ontario.	OBM AR Vol. 21 Pt. 1.	p. 169-204
Parr, M.G., Boben, C.	1985	The Geological Setting of Gold Mineralization observed at the Scramble Mine, District of Kenora, Northwestern Ontario: in Abstracts, Institute on Lake Superior Geology Thirty-First Annual Meeting, Kenora, Ontario.	31st I.L.S.G., Abstracts	p. 74

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Wooden, J.L.	1978	Rb - Sr Isotopic Studies of Archean Rocks of the Eastern Lac Seul and Kenora Area, English River Subprovince, Ontario; P. 131-149 in Proceedings, 1978 Archean Geochemistry Field Conference, edited by I.E.M. Smith and J.G. Williams, University of Toronto Press, Toronto, Ontario.		p. 139-149

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX
(compiled from index maps only)

	ROLL	LINE	PHOTO NUMBERS
1982 (scale 1" to 1/4 mile)			
	11	4931	52 - 65
	13	4932	34 - 47
	12	4933	35 - 48
	30	4934	3 - 17
	30	4935	163 - 176
1976 (scale 1" to 1/4 mile)			
	26	4931	156 - 169
	26	4932	210 - 221
	3	4932	198 - 203
	6	4933	221 - 235
	33	4934	106 - 119
	14	4935	2 - 15
	33	4936	131 - 144
1952 (scale 1" to 1 mile)			
	A13563		54 - 56*
	A23741		7 - 8*
	A13561		120 - 123*

* Photographs on file in Resident Geologist's Office, Kenora

ONTARIO BASE MAP SERIES

scale 1:20,000

20	15	3900	55100+
20	15	3900	55200+
20	15	4000	55100+
20	15	4000	55200+
20	15	4100	55100
20	15	4100	55200

\+ Published maps currently available

GDIF FORM NO.10

NOTES AND ADDENDA

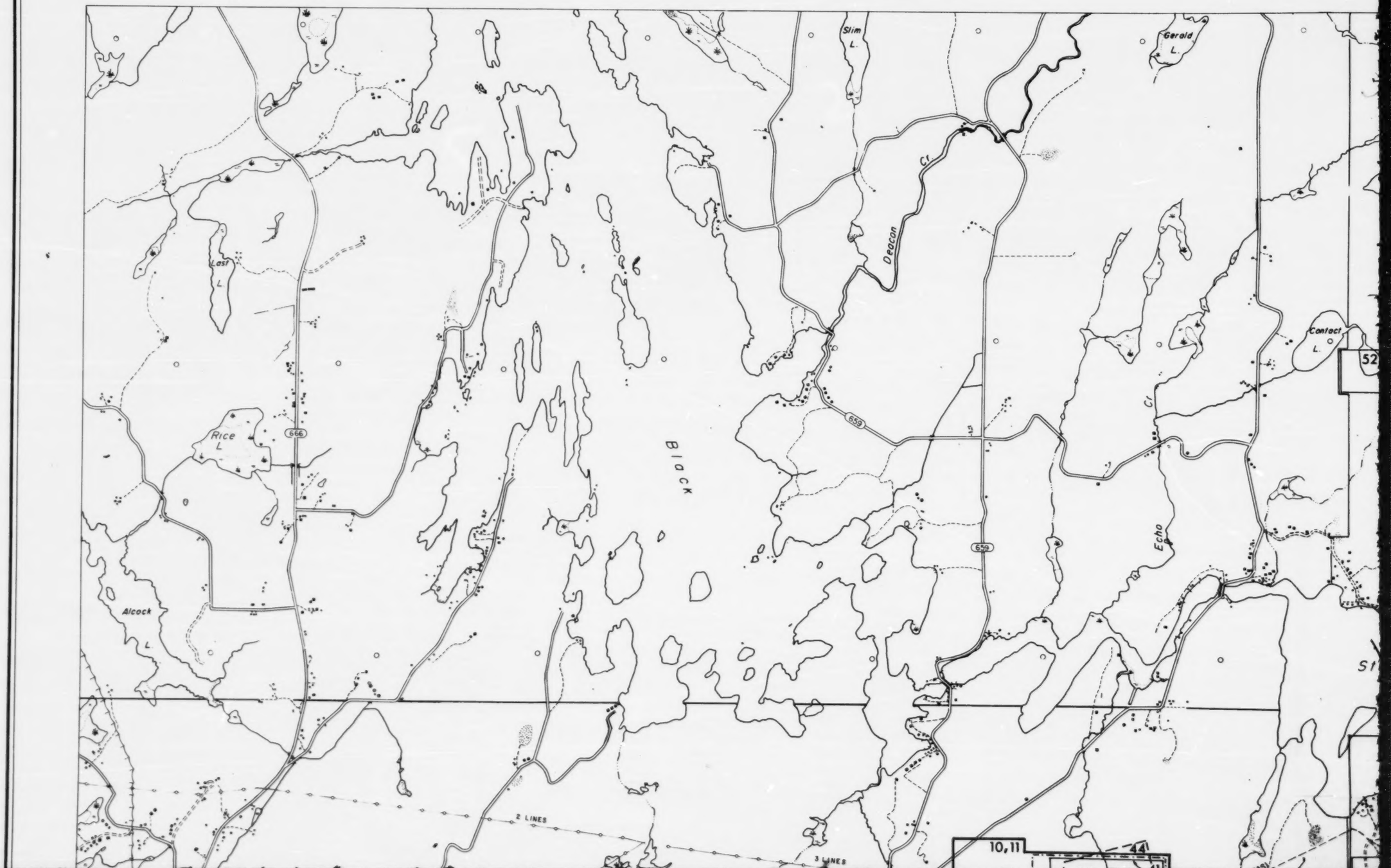
MINERAL DEPOSITS FILE

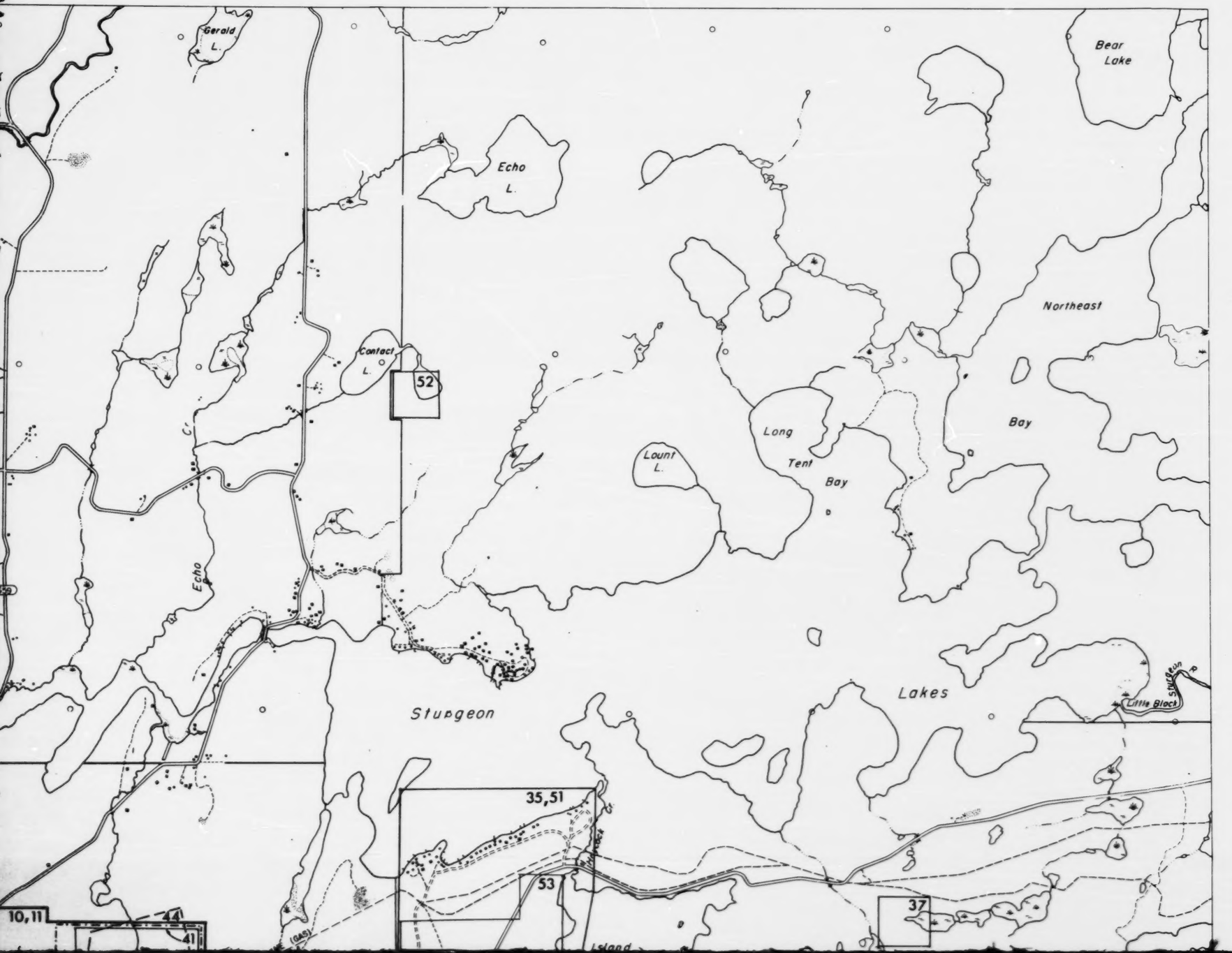
NOTE: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits.

1. Black Sturgeon Prospect
2. Bullion Mine Occurrence
3. Caribou Mine Occurrence
4. Champion Mine (Bad Mine, Franklin Mine)
5. Electro - Gold Mine Occurrence
6. Elsie Mine Occurrence
7. Gray Eagle Mine Occurrence
8. Hilly Lake Occurrence
9. Kobold Occurrence
10. Norway Mine Occurrence
11. Princess Occurrence
12. Rajah Mine Occurrence
13. Roseman Occurrence
14. Royal Occurrence
15. Scramble Mine Prospect
16. Sweden Gold Mine Occurrence
17. Wimor Occurrence

NOTE A: There is confusion both in the literature, and on published maps as to the true location of the Caribou shaft. Resulting from this confusion, two probable locations have been plotted.

GDIF FORM NO.10


Slim L.
Gerald L.
Deacon Cr.
Last L.
Contact L.
52
Rice L.
666
659
Block
Alcock L.
Echo Cr.
2 LINES
3 LINES
10,11
44



Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 395

(Map 1 of 2)

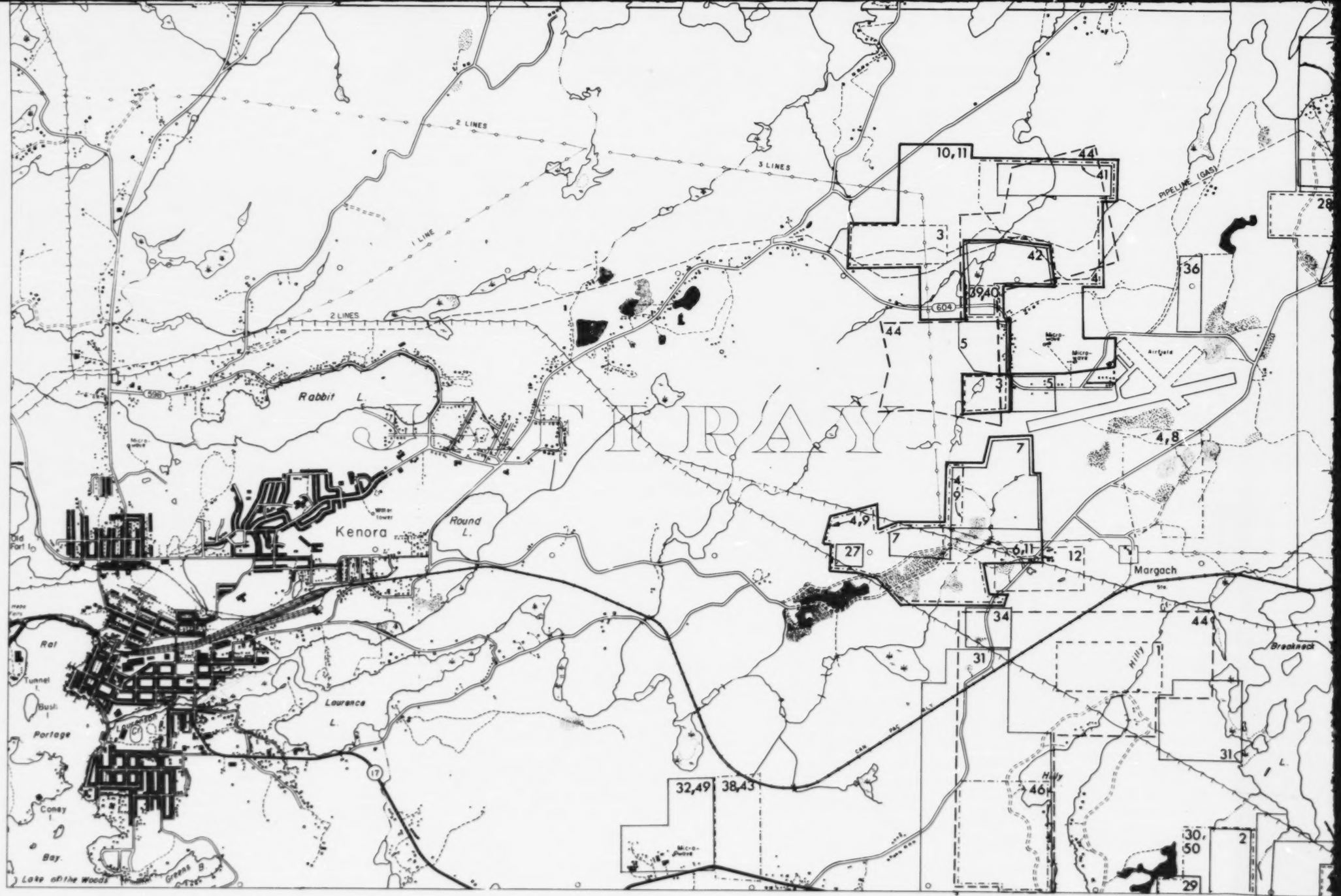
JAFFRAY–HAYCOCK AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile


2 LINES
3 LINES
1 LINE
2 LINES
10,11
44
41
3
42
4
39,40
604
44
5
3
5
Micro-wave
Micro-wave
Airfield
36
28
PIPELINE (GAS)
4,8
7
4,9
7
27
6,11
12
Margach
34
44
31
Breaknack
31
Rabbit L.
Kenora
Round L.
Old Fort Io
Rat
Tunnel I.
Bush I.
Portage
Lawrence L.
Lawrence
17
Coney I.
Bay
Lake of the Woods
Green B
32,49
38,43
Micro-wave
46
30,50
2
29

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

□

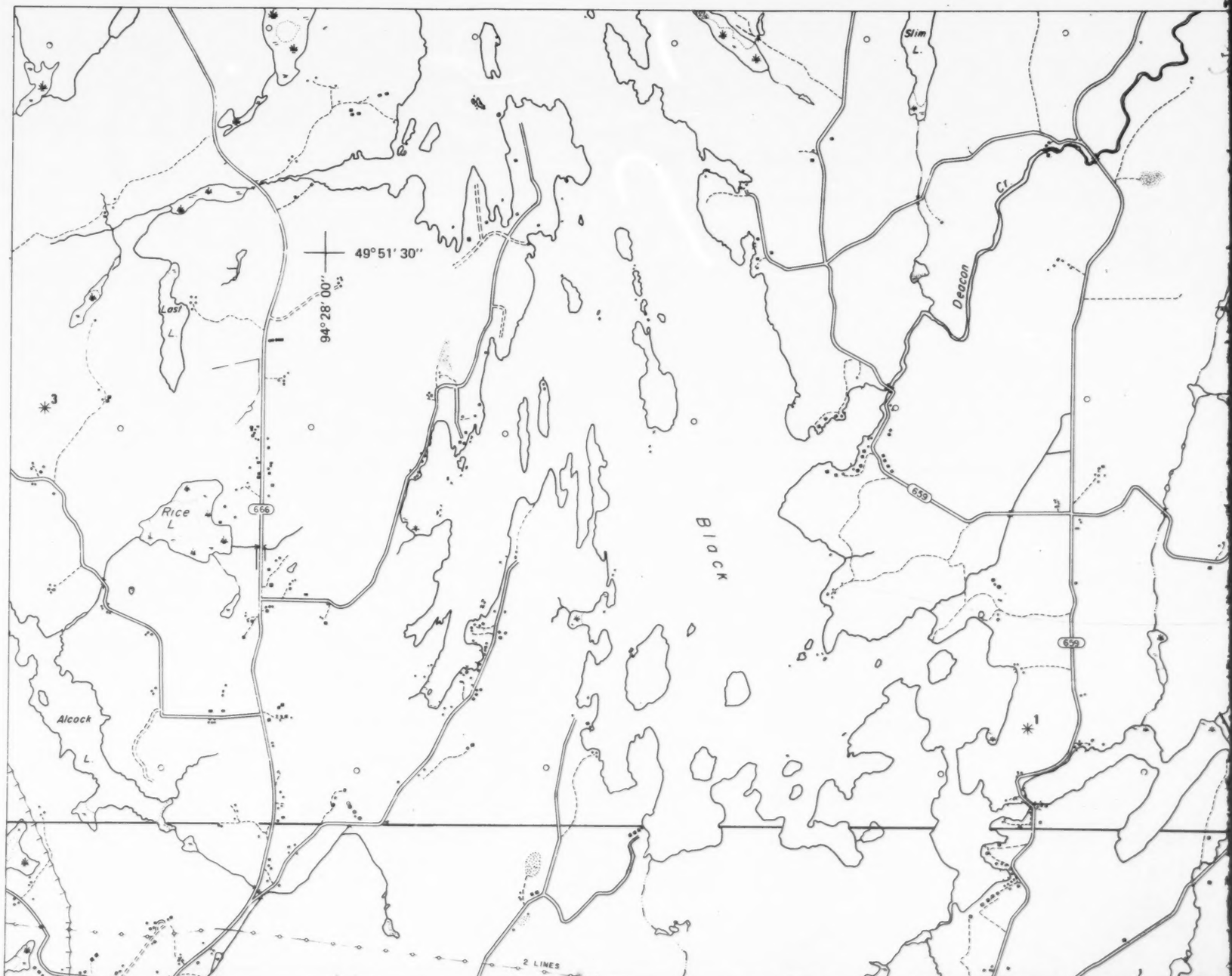
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (SEE NOTE BELOW)
  (VL - Vertical loop; HL - Horzontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly



Slim L.

Gerald L.

Deacon Cr.

Echo L.

Bear Lake

Northeast Bay

Contact L.

po, py

EE

Long Tent Bay

Lount L.

659

Block

Echo Cr.

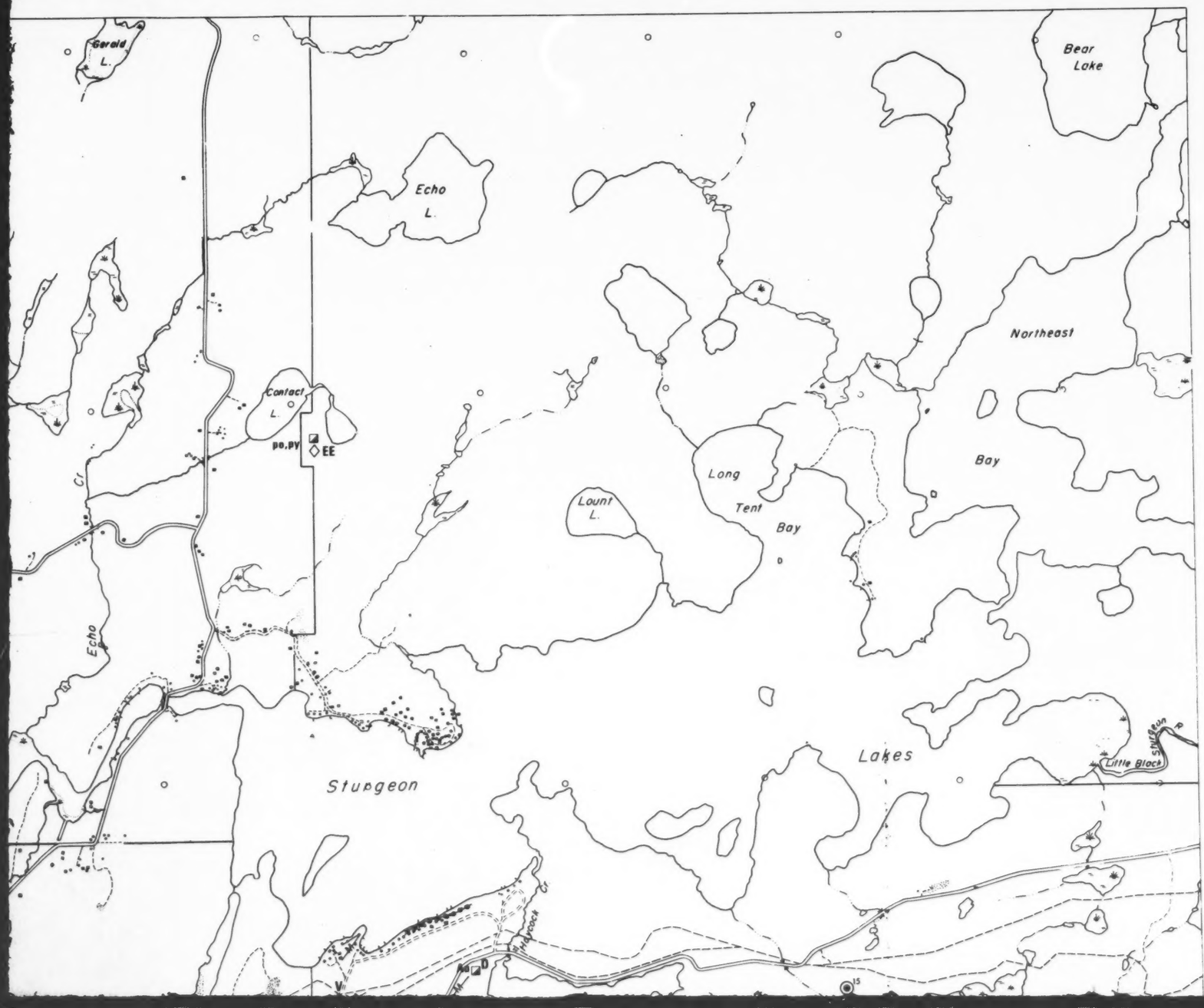
Sturgeon Lakes

Little Black

Sturgeon R.

Hardrock Cr.

TYPES O



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 395

(Map 2 of 2)

JAFFRAY–HAYCOCK AREA

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

VLF - Very low freq; Turam; JEM - Crone Em - 16)

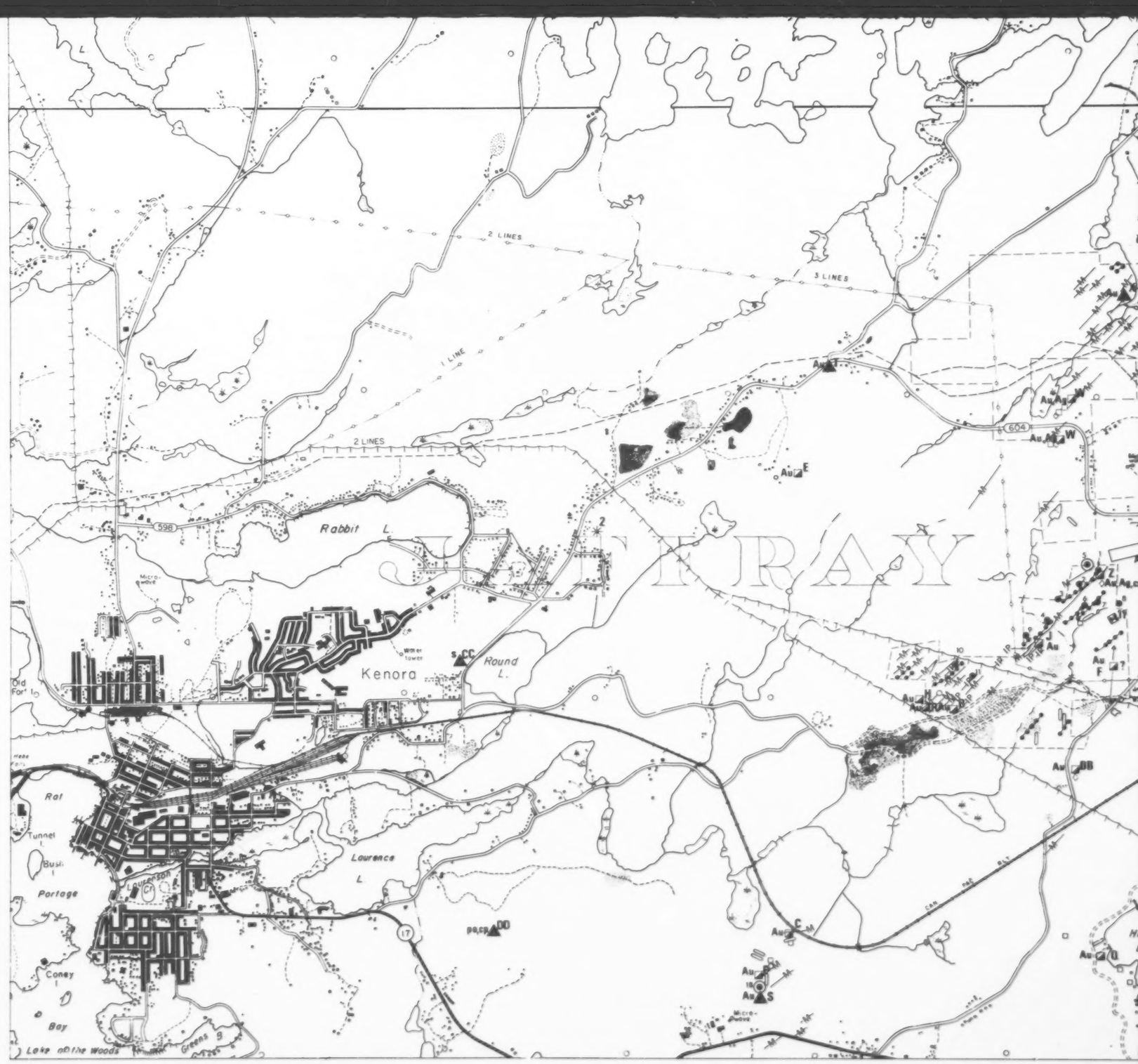
- ☐ —RA— Ground radiometric anomaly
- ■ —IP— Induced polarization anomaly
- ☐ —SP— Self potential anomaly
- ☐ —AFMAG— Audio-frequency magnetic anomaly (total intensity)
- ☐ —R— Resistivity anomaly
- ☐ —GR— Gravity anomaly

NOTE: All ground Electromagnetic Anomalies are VLF Anomalies unless specified otherwise

MISCELLANEOUS DATA

- ■ Trenching, pit (Stripping)
- ☐ Adit
- ☐ Open pit
- ■ Extensive Stripping
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Sturgeon

Lakes

Little Block

3 LINES

PIPELINE (GAS)

604

Island L.

Medicine L.

Medicine Cr.

Mc Donald L.

Horn Cr.

Horn L.

Haycock

Lester L.

2 LINES

Margach

Breakneck

Hilly L.

Holmes L.

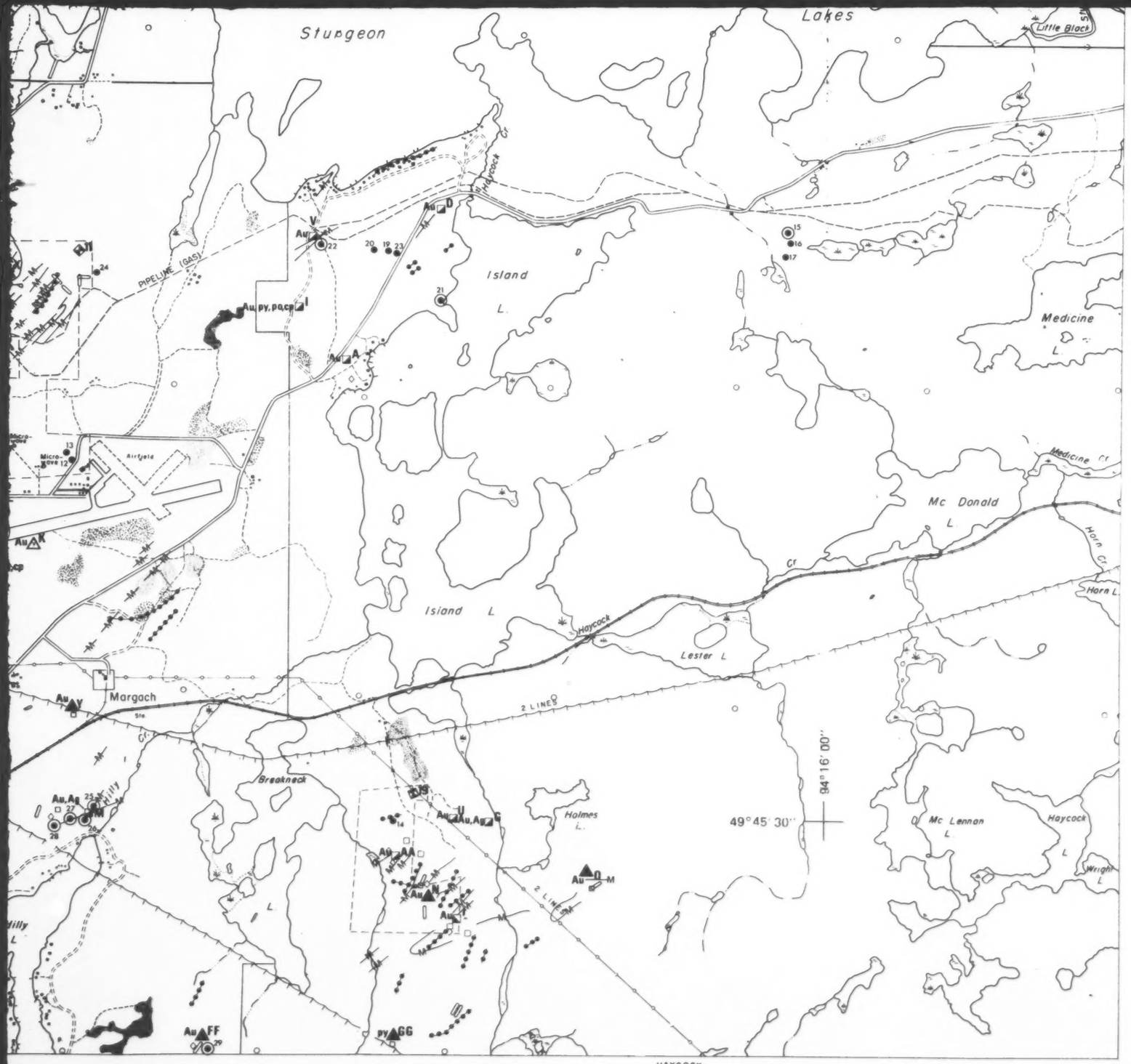
Mc Lennan L.

Wright L.

49°45'30"

94°16'00"

HAYCOCK



■ cp A. Mineral occurrence at surface, with reference letter

■ Au A. 84' Mineral occurrence with shaft, depth given with reference letter

■ Ag A. Mineral occurrence reported but exact location uncertain, with reference letter

□ cp A. Mineralized float with reference letter

DRILLHOLE

■ ●² Location of single drillhole, with reference number

■ ◉² Location of closely spaced group of drillholes, with reference number

□ (?)² Drillhole, exact location uncertain, with reference number

□ Property with underground drillholes in this general area, with reference number

□ ○² Property with drillholes which have not been plotted on map, with reference number

□ ⊕² Reverse circulation drillhole; churn drilling, with reference number